

Additional Material 1: Meteorological data

Meteorological parameter	Unity	Definition
Rainfalls height	<i>mm</i>	Rainfalls height collected between 6 am the D-Day and 6 am the following day.
Minimal temperature	C°	Minimal temperature collected under shelter between 6 am the day before and 6 am the D-Day.
Maximal temperature	C°	Maximal temperature collected under shelter between 6 am the day before and 6 am the D-Day.
Average temperature	C°	Average of 24 hourly values (from 1 am to 12 pm) of air temperature collected under shelter.
Wind speed	<i>m/s</i>	Average of 24 hourly values (from 1 am to 12 pm) of wind speed averaged over 10 minutes (measure height: 10 m).
Minimal relative humidity	%	Minimum of relative humidity collected under shelter between 0 am the D-Day and 0 am the day after.
Maximal relative humidity	%	Maximum of relative humidity collected under shelter between 0 am the D-Day and 0 am the day after.
Average relative Humidity ¹	%	Average of 24 hourly values (from 1 am to 12 pm) of relative humidity collected under shelter.
Minimal absolute humidity	<i>g/m³</i>	Minimum of absolute humidity collected under shelter between 0 am the D-Day and 0 am the day after.
Maximal Absolute Humidity	<i>g/m³</i>	Maximum of absolute humidity collected under shelter between 0 am the D-Day and 0 am the day after.
Average absolute humidity ²	<i>g/m³</i>	Average of 24 hourly values (from 1 am to 12 pm) of absolute humidity collected under shelter.
Sunshine duration	minutes	Duration between 0 am and 12 pm during which solar radiation is of sufficient intensity (> 120W/m ⁻²) to produce distinct shadows.

¹ Relative humidity is the ratio of the actual amount of water vapor contained in the air to the maximum amount that the air can hold according to its temperature.

² Absolute humidity is the amount of water vapor contained in the air.